

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A computer system, comprising:
a processor;
an operating system having a selected driver that interacts with a computing component;
a plurality of application instructions, said instructions being in an intermediate language readable by an intermediate language compiler;
a plurality of runtime instructions, said instructions being in an intermediate language readable by an intermediate language compiler, wherein said runtime instructions performs the translation between said application instructions and said selected driver; and
an intermediate language compiler capable of compiling the application instructions and the runtime instructions into a combined set of instructions executable by the processor for interacting with the selected driver.
2. (Original) The computer system as recited in claim 1 wherein the selected driver comprises a plurality of intermediate language instructions.
3. (Original) The computer system as recited in claim 2 wherein the selected driver is split into user mode and kernel mode instructions.
4. (Original) The computer system as recited in claim 3 wherein the user mode instructions of the selected driver translates from device driver interface instructions to hardware-specific commands.
5. (Original) The computer system as recited in claim 4 wherein the selected driver writes hardware-specific commands into an operating system-allocated buffer for submission to a scheduler of the hardware's time.
6. (Original) The computer system as recited in claim 1 wherein the plurality of application instructions and the plurality of runtime instructions are delivered to the computer system over a network.

7. (Original) The computer system as recited in claim 2 wherein the selected driver is delivered over a network.

8. (Previously presented) The computer system as recited in claim 1 wherein the intermediate language compiler comprises a Just-In-Time compiler.

9. (Currently amended) A method for software interaction with hardware, comprising:

providing an application program in an intermediate programming language:

providing a runtime program in an intermediate programming language, wherein said runtime instructions performs the translation between said application instructions and said selected driver;

compiling the application program and the runtime program into a single executable program for execution on a target computer system.

10. (Original) The method as recited in claim 9 further comprising providing a driver program in an intermediate programming language wherein the driver program is compiled with the application program and the runtime program into the single executable program.

11. (Original) The method as recited in claim 10 wherein the driver program comprises a kernel mode portion provided in an executable form.

12. (Original) The method as recited in claim 11 wherein the driver program comprises a user mode portion provided in the intermediate language form.

13. (Original) The method as recited in claim 12 wherein the user mode portion translates from device driver interface instructions to hardware-specific commands.

14. (Original) The method as recited in claim 10 wherein the driver writes hardware-specific commands into an operating system-allocated buffer for submission to a scheduler of the hardware's time.

15. (Original) The method as recited in claim 9 wherein the application program and the runtime program are delivered to the target computer system over a network.

16. (Original) The method as recited in claim 10 wherein the driver is delivered over a network.

17. (Previously presented) The method as recited in claim 9 wherein the step of compiling uses a Just-In-Time compiler.

18. (Currently amended) A computer-readable medium having stored thereon computer-executable instructions for software interaction with hardware, comprising:
instructions for receiving an application program in an intermediate programming language:

instructions for receiving a runtime program in an intermediate programming language, wherein said runtime instructions performs the translation between said application instructions and said selected driver;

instructions for compiling the application program and the runtime program into a single executable program for execution on a target computer system.

19. (Original) The computer-readable medium as recited in claim 18 further comprising instructions for receiving a driver program in an intermediate programming language wherein the driver program is compiled with the application program and the runtime program into the single executable program.

20. (Original) The computer-readable medium as recited in claim 19 wherein the driver program comprises a kernel mode portion provided in an executable form wherein the instructions received comprise user mode instructions.

21. (Original) The computer-readable medium as recited in claim 20 wherein the user mode instructions comprise intermediate language instructions.

22. (Original) The computer-readable medium as recited in claim 21 wherein the user mode instructions translate from device driver interface instructions to hardware-specific commands.

23. (Original) The computer-readable medium as recited in claim 22 wherein the driver writes hardware-specific commands into an operating system-allocated buffer for submission to a scheduler of the hardware's time.

24. (Original) The computer-readable medium as recited in claim 18 wherein the application program and the runtime program are delivered to the target computer system over a network.

25. (Original) The computer-readable medium as recited in claim 19 wherein the driver is delivered over a network.

26. (Previously presented) The computer-readable medium as recited in claim 18 wherein the step of compiling uses a Just-In-Time compiler.